

# ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18  
Stylesheet Version v18.0

Title of  
Invention

CATALYST FORMULATION FOR HYDROGENATION

Application Number: 10/727919



Confirmation Number: 7550

First Named Applicant: Marvin Johnson

Attorney Docket Number: 1128-01201

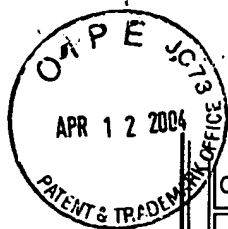
Art Unit: 1754

Search string: ( 6578378 or 6509292 or 6395952 or 6365790  
or 6350717 or 6281160 or 6255548 or 6127310  
or 6015933 or 5866734 or 5856262 or 5847250  
or 5696293 or 5589600 or 5587348 or 5504268  
or 5414170 or 5356851 or 5227553 or 5059732  
or 4906800 or 6465391 or 4547600 or 4517395  
or 4484015 or 4469907 or 4404124 or 4337329  
or 4323482 or 4277313 or 4137267 or 4128595  
or 3842137 or 3541178 or 3342891 or  
4705906 ).pn.

## US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
CNN	1	6578378	2003-06-17	Kaiser et al.			
	2	6509292	2003-01-21	Blankenship et al.			
	3	6395952	2002-05-28	Barchas			
	4	6365790	2002-04-02	Reimer et al.			
	5	6350717	2002-02-26	Frenzel et al.			
	6	6281160	2001-08-28	Basset et al.			
	7	6255548	2001-07-03	Didillon et al.			
	8	6127310	2000-10-03	Brown et al.			
	9	6015933	2000-01-18	Abrevaya et al.			
	10	5866734	1999-02-02	Flick et al.			
▼	11	5856262	1999-01-05	Flick et al.			
CNN	12	5847250	1998-12-08	Flick et al.			



CNN	13	5696293	1997-12-09	Phillips et al.
	14	5589600	1996-12-31	Fischer et al.
	15	5587348	1996-12-24	Brown et al.
	16	5504268	1996-04-02	van der Aalst et al.
	17	5414170	1995-05-09	McCue et al.
	18	5356851	1994-10-18	Sarrazin et al.
	19	5227553	1993-07-13	Polanek et al.
	20	5059732	1991-10-22	Cosyns et al.
	21	4906800	1990-03-06	Henry et al.
	22	6465391	2002-10-15	Cheung et al.
	23	4547600	1985-10-15	Cosyns et al.
	24	4517395	1985-05-14	Obenaus et al.
	25	4484015	1984-11-20	Johnson et al.
	26	4469907	1984-09-04	Araki et al.
	27	4404124	1983-09-13	Johnson et al.
	28	4337329	1982-06-29	Kubo et al.
	29	4323482	1982-04-06	Stiles et al.
	30	4277313	1981-07-07	Mehra et al.
	31	4137267	1979-01-30	Reid et al.
	32	4128595	1978-12-05	Montgomery
	33	3842137	1974-10-15	Libers et al.
	34	3541178	1970-11-17	Nettesheim
▼	35	3342891	1967-09-19	Poons et al.
CNN	36	4705906	1987-11-10	Brophy et al.

## Remarks

Note: Remarks are not for responding to an office action.

As a part of this submission, a Information Disclosure Statement is being transmitted on this date, and includes a listing of Non-U.S. Patent and Published Applications and other publications of which Applicants are aware.

## Signature

Examiner Name	Date
/Cam Nguyen/	09/04/2006

**INFORMATION DISCLOSURE STATEMENT BY APPLICANT**  
(Use several sheets if necessary)Atty. Docket No.  
1128-01201Serial No.  
10/727,919Applicant  
Marvin M. JohnsonFiling Date  
December 4, 2003Group  
1754**REFERENCE DESIGNATION U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
	A						

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	Translation	
							YES	NO
CNN	✓	B1	FR2525210	1983-10-21	FRANCE (abstract in English)			X
CNN	✓	B2	FR2091114	1972-01-14	FRANCE (abstract in English)			X
CNN	✓	B3	EP0564328	1993-10-06	EUROPE (abstract in English)			X
CNN	✓	B4	EP0564329	1993-10-06	EUROPE (abstract in English)			X

**OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)**

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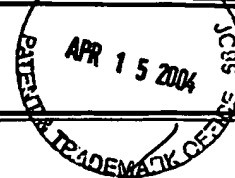
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	18	5356851	1994-10-18	Sarrazin et al.			
	19	5227553	1993-07-13	Polanek et al.			
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	28	4337329	1982-06-29	Kubo et al.
	29	4323482	1982-04-06	Stiles et al.
	30	4277313	1981-07-07	Mehra et al.
	31	4137267	1979-01-30	Reid et al.
	32	4128595	1978-12-05	Montgomery
	33	3842137	1974-10-15	Libers et al.
	34	3541178	1970-11-17	Nettesheim
	35	3342891	1967-09-19	Poons et al.
CNN	36	4705906	1987-11-10	Brophy et al.

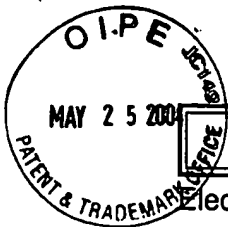
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**Signature**

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/Cam Nguyen/	09/04/2006



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Title of  
Invention

CATALYST FORMULATION FOR HYDROGENATION

Application Number: 10/727919



Confirmation Number: 7550

First Named Applicant: Marvin Johnson

Attorney Docket Number: 2253-01201

Art Unit: 1754

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or 6576588 or 6103106 or 6093670 or 5128306  
or 6221240 or 3962285 ).pn.

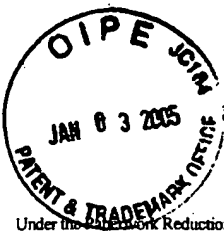
### US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
CNN	1	5925239	1999-07-20	Klein et al.			
	2	4812435	1989-03-14	Baird, Jr.			
	3	3867309	1975-02-18	Oleck et al.			
	4	5176887	1993-01-05	Subramanian et al.			
	5	6576588	2003-06-10	Ryu et al.			
	6	6103106	2000-08-15	McVicker et al.			
	7	6093670	2000-07-25	Brown			
	8	5128306	1992-07-07	Dettling et al.			
	9	6221240	2001-04-24	Klein et al.			
CNN	10	3962285	1976-06-08	Cusumano			

Signature

Examiner Name	Date
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U. S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449A/PTO			<b>Complete if Known</b>		
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)			Application Number	10/727.919	
			Filing Date	December 4, 2003	
			First Named Inventor	Marvin M. Johnson	
			Group Art Unit	1754	
			Examiner Name		
Sheet	1	of	1	Attorney Docket Number	2253-01201

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
CNN ↓ ↓ ↓ ↓ ↓ ↓ CNN	AA	US-3,755,488	08-28-1973	Johnson et al.	
	AB	US-2002/0068843	06-06-2002	Dai et al.	
	AC	US-6,358,399	03-19-2002	Minkinen et al.	
	AD	US-20040002553	01-01-2004	Hall et al.	
	AE	US-6,602,920	08-05-2003	Hall et al.	
	AF	US-6,323,247	11-27-2001	Hall et al.	
CNN	AG	US-6,130,260	10-10-2000	Hall et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
	BA					

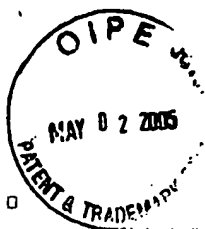
OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
CNN	CA	A. Malek and S. Farooq, <i>Hydrogen Purification from Refinery Fuel Gas by Pressure Swing Adsorption</i> , AIChE Journal, September 1998, Vol. 44, No. 9, pp. 1985-1992	
CNN	CB	International Search Report, PCT/US03/38871, Date of Mailing 06 Dec. 2004	

Examiner Signature	/Cam Nguyen/	Date Considered	09/04/2006
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\*EXAMINER: Initial reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard SL16 if possible. 6 Applicant is to place a check mark here if English language translation is attached.

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Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)			<b>Complete if Known</b>		
			Application Number	10/727.919	
			Filing Date	December 4, 2003	
			First Named Inventor	Marvin M. Johnson	
			Group Art Unit	1764	
			Examiner Name		
Sheet	1	of	1	Attorney Docket Number	2253-01201

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
CNN	AA	US-2002-0000085	01-03-2002	Hall et al.	
CNN	AB	US-4,973,786	08-28-1973	Karra	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T <sup>2</sup>
CNN	AC	International Search Report for Appln. No. PCT/US04/15293 dated 04/18/2005 (pp. 3)			

Examiner Signature	/Cam Nguyen/	Date Considered	09/04/2006
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\*EXAMINER: Initial reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard St.16 if possible. 6 Applicant is to place a check mark here if English language translation is attached. The collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P. O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORM TO THIS ADDRESS. Send To Mail Stop Amendment; Commissioner For Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

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